

FIG. 1

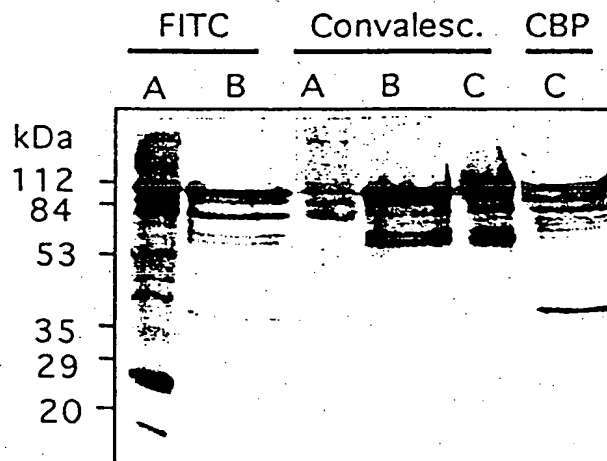


FIG. 2

09829382-040501

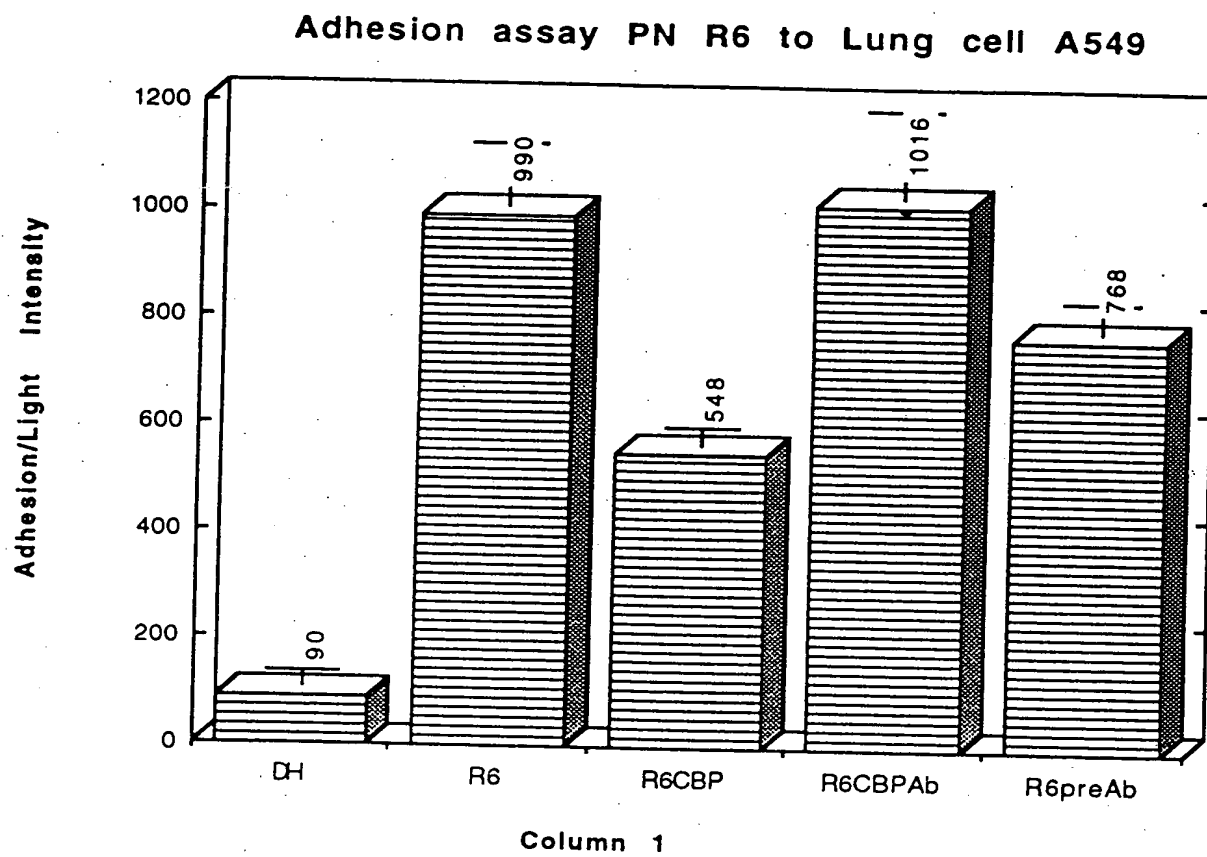


FIG. 3

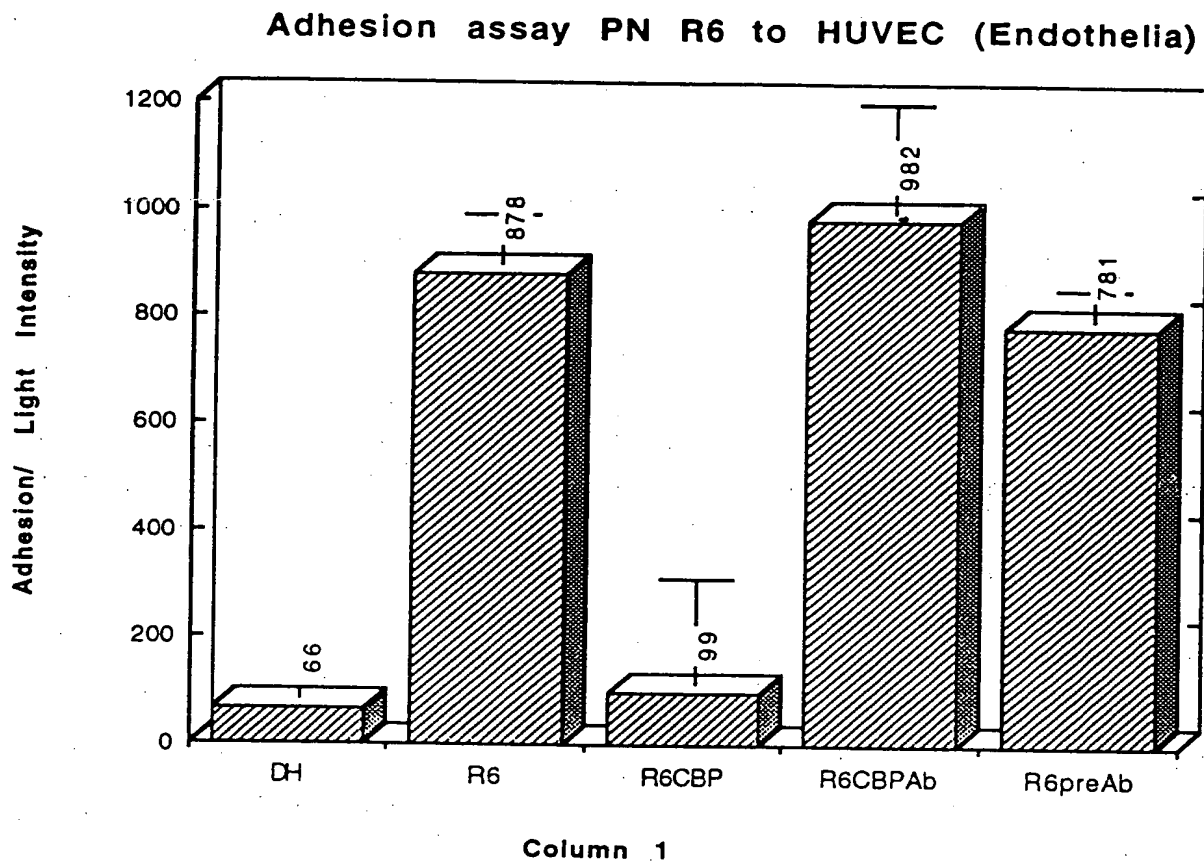


FIG. 4

156070 23662360

600/1/158.. (Sheet 4 of 18)

Fibronectin

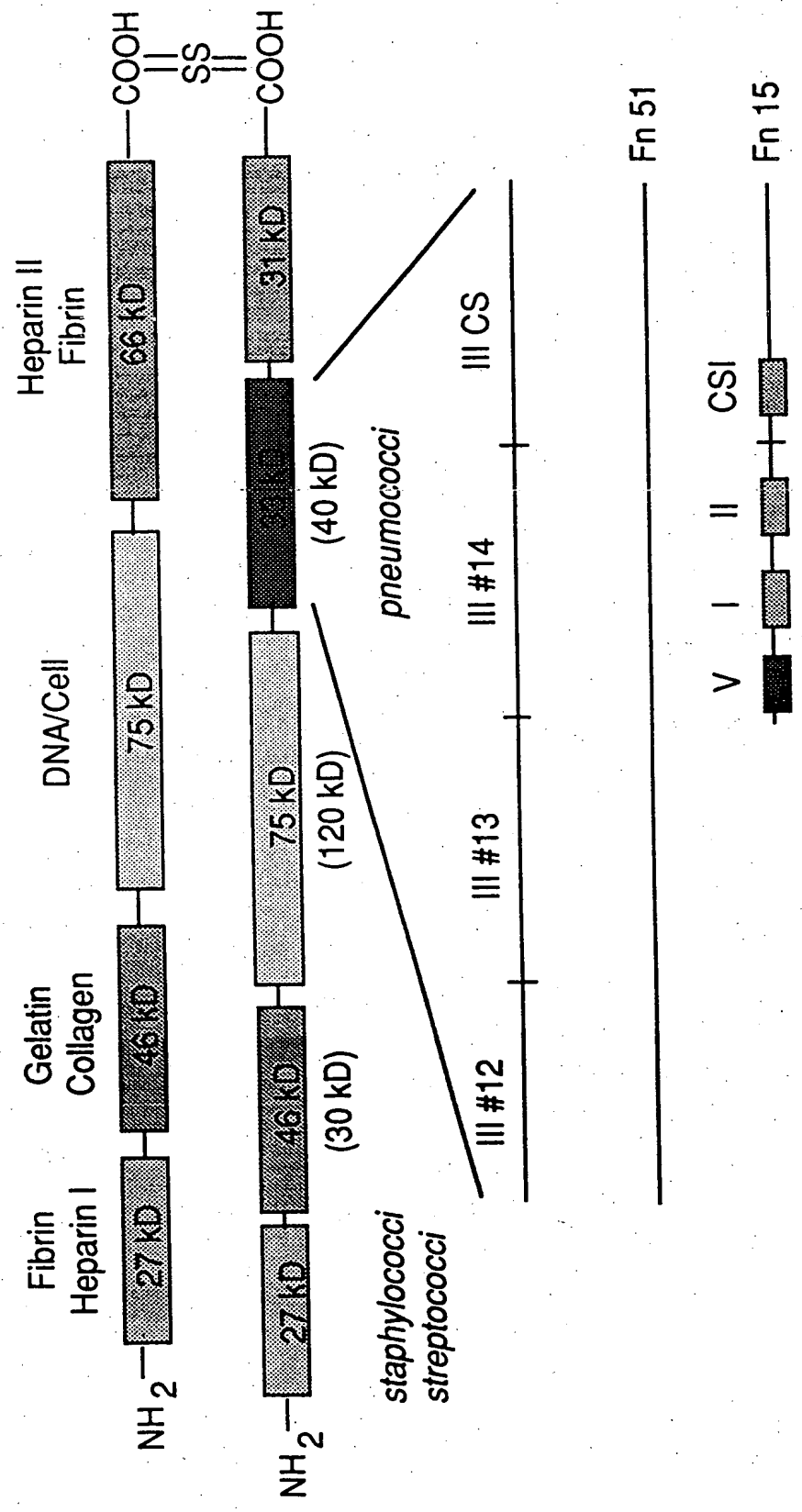


FIG. 5

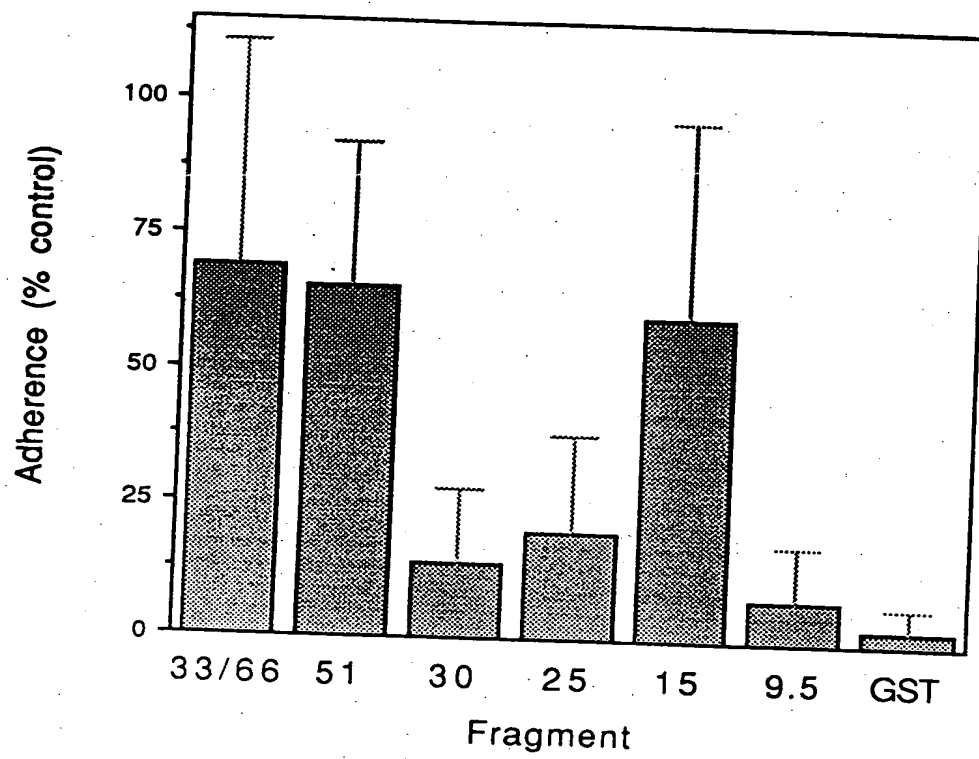


FIG. 6

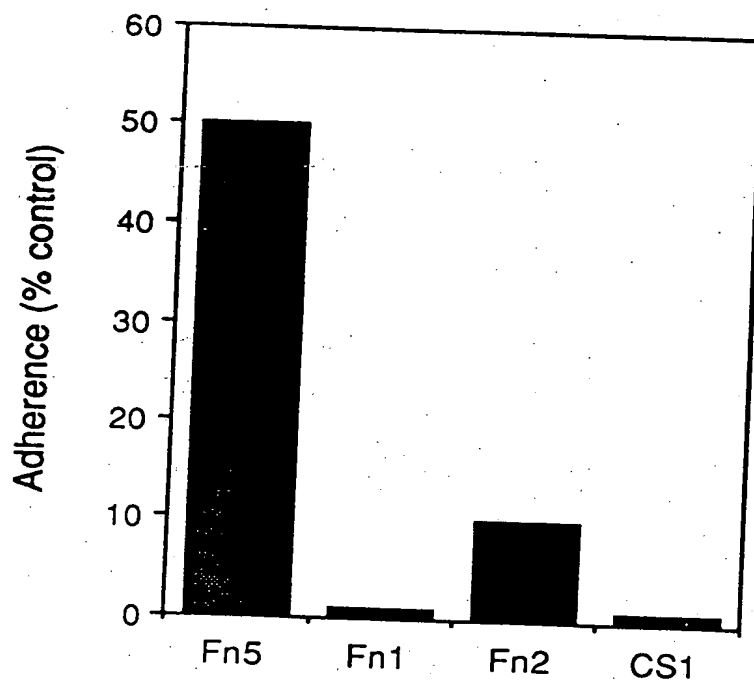


FIG. 7

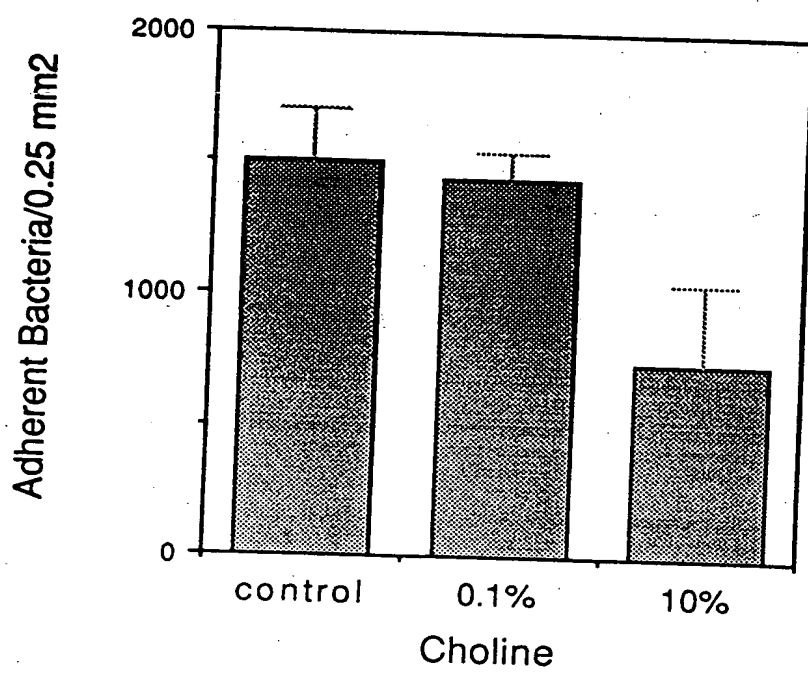


FIG. 8

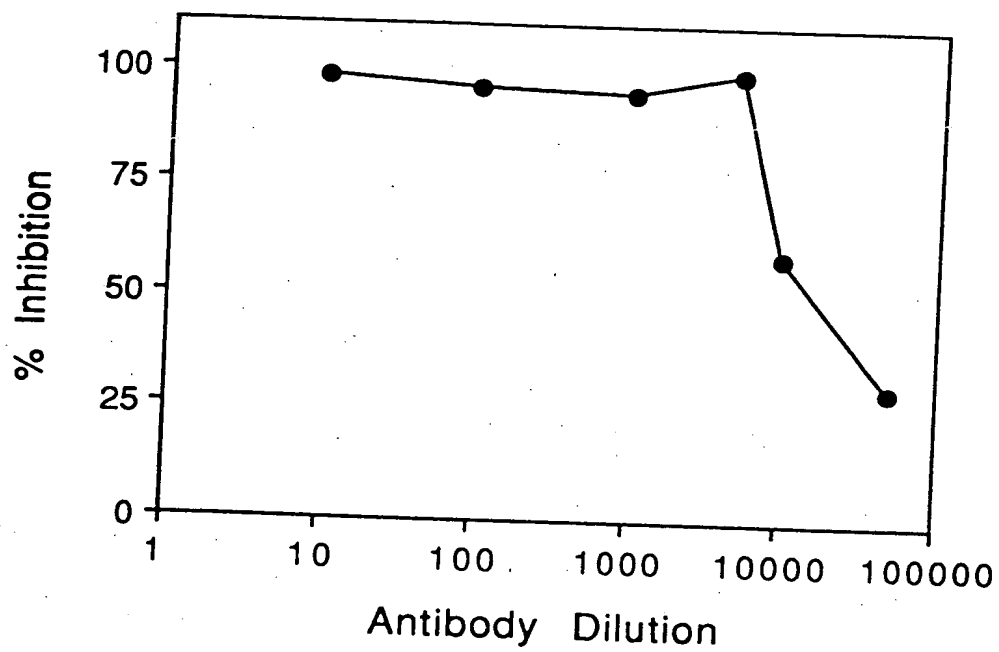


FIG. 9

600/1/158.. (Sheet 9 of 18)

Amino terminal sequencing of 50 kDa protein:

<i>S. pneumoniae</i>	2	ITDVYAREVLDSRGNP	17
		I DV AREVLDSRGNP	
<i>B. subtilis</i> enolase	5	IVDVRAREVLDSRGNP	20

FIG. 10

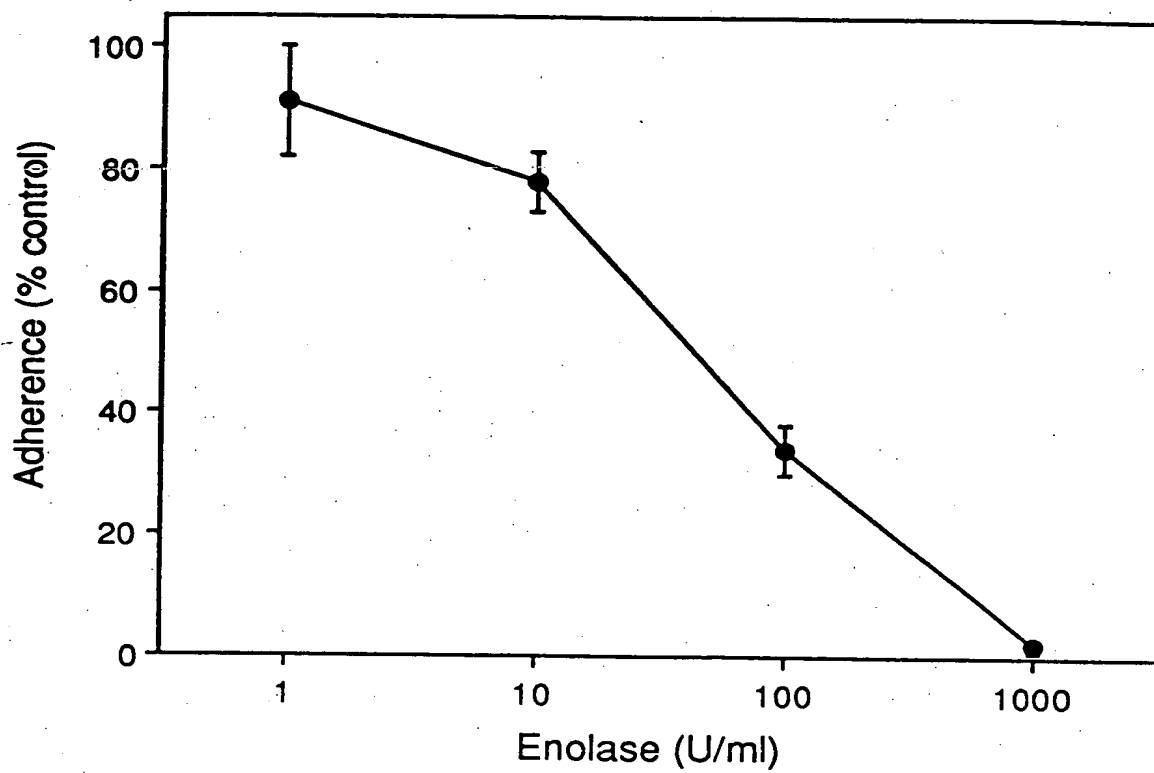


FIG. 11

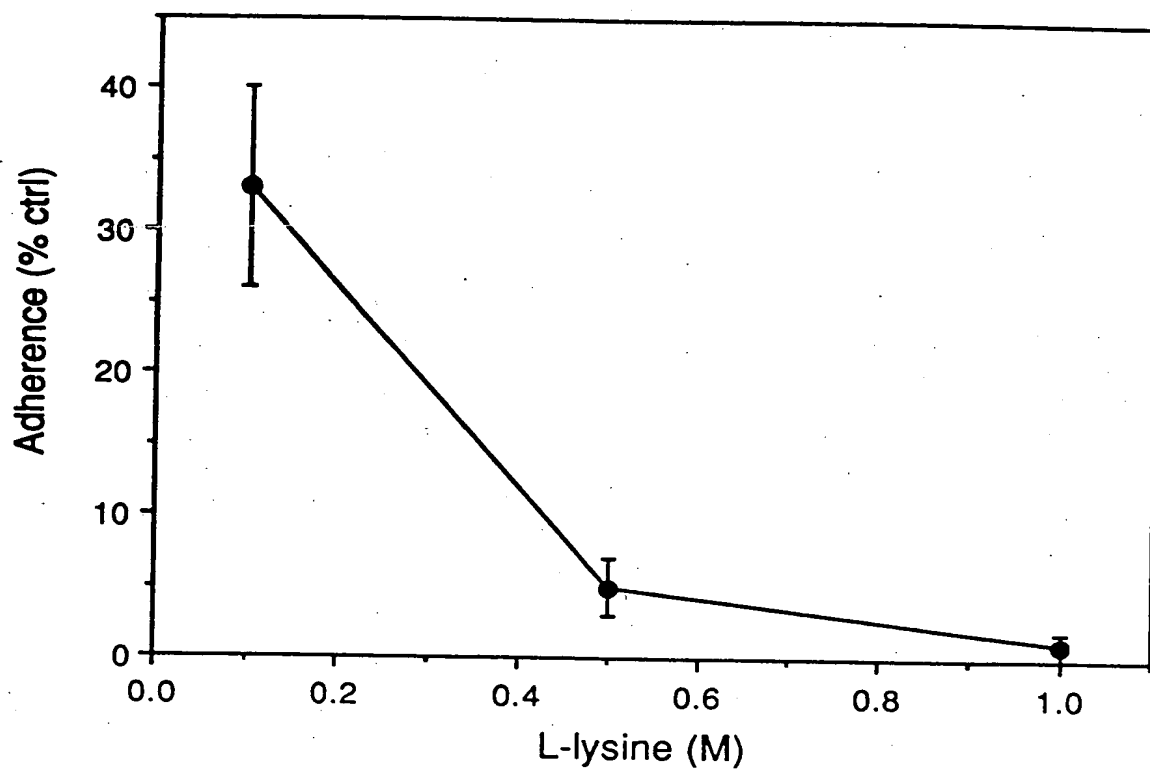


FIG. 12

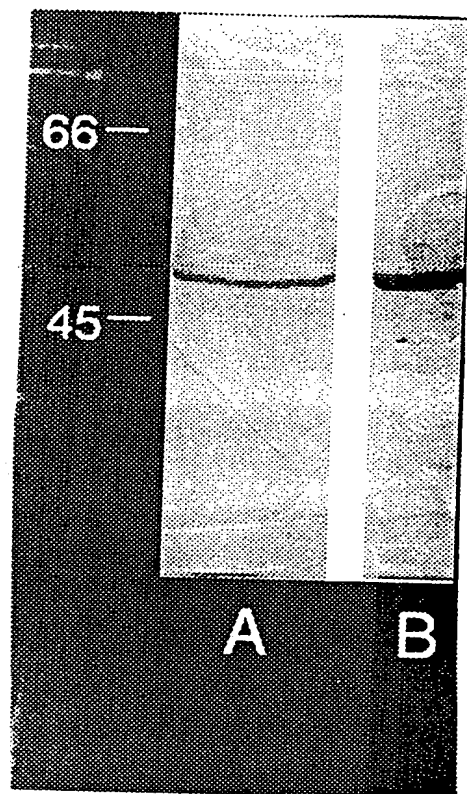


FIG. 13

1 TCCGGGGCAACCAACACTTGAAGTAGAAGTTACACTGAATCAGGTGCTTTCGGACGT 60
 2447 TCCGGGGCAACCAACAGTTGAAGTTGAAGTATATACAGAAACAGGAGCTTTCGGCCGGC 2508
 61 GGTATGGTTCCATCAGGAGCTTCTACTCGTGAACAGGAGTTGAACCTTCGGGACGGT 120
 2507 GCATTAGTGCACGGGAGCTTCTACAGGTCAATACGAAGCGGTTGAGCTTCGTGACGGC 2566
 121 GACAAATCTCGTTACGGTGGTCTTGGTACACAAAGCTGTTGACAAACGTAACAACATC 180
 2567 GACAAAGACCGTTACCTTGGAAAGCGGTGTTAACAGCTGTTAACGTAACGAAATC 2626
 181 ATTGCTAGGCCCATCATGGCTACGATGTA 210 *S. pneumoniae*
 2627 ATTGCTCAGAGCTTCTTGGCTTTGATGTA 2656 *B. subtilis*

FIG. 14

<i>S. pneumoniae</i>	1	SRGNPTLEVEVYTESGAFGRGMVPS	25
		SRGNPT+ ELEVYTE+GAFGR + VPS	
<i>B. subtilis</i>	15	SRGNPTVEVEVYTETGAFGRALVPS	39
<i>S. pneumoniae</i>	26	GASTGEHEAVELRDGDKSRYGGLGT	50
		GASTG ++ EAVELRDGDK RY G G	
<i>B. subtilis</i>	40	GASTGQYEAVELRDGDKDRLGKGV	64
<i>S. pneumoniae</i>	51	QKAVDNNVNNIIAEA IIGYDV	70
		AV + NVN IIA ++ G+ DV	
<i>B. subtilis</i>	65	LTAVN NVNEI IAPELLGFDV	84

FIG. 15

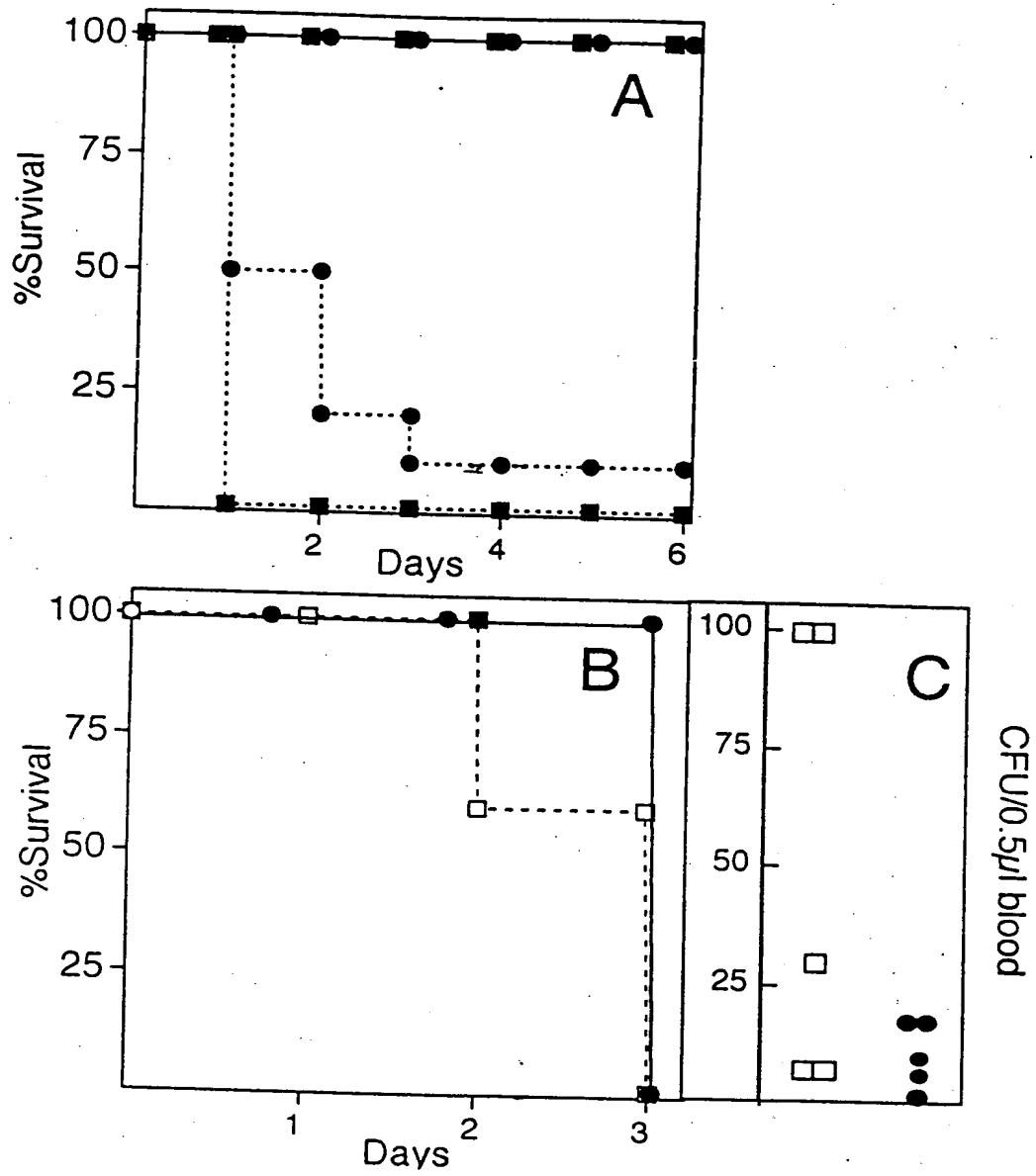


FIG. 16

600/1/158.. (Sheet 16 of 18)

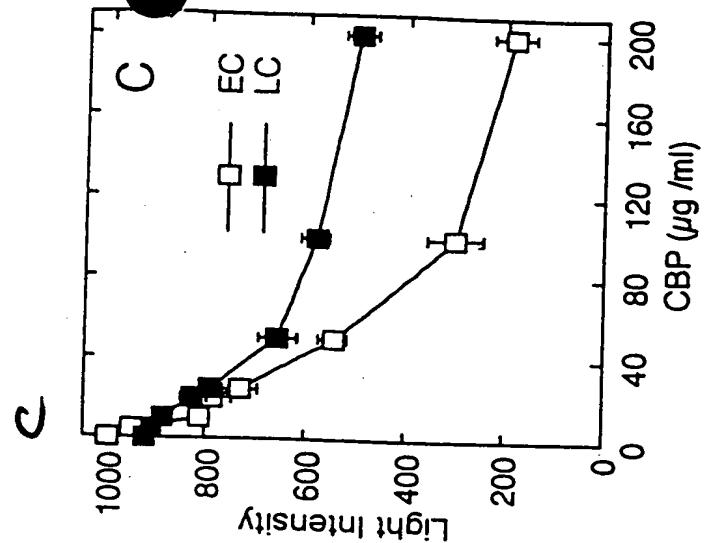
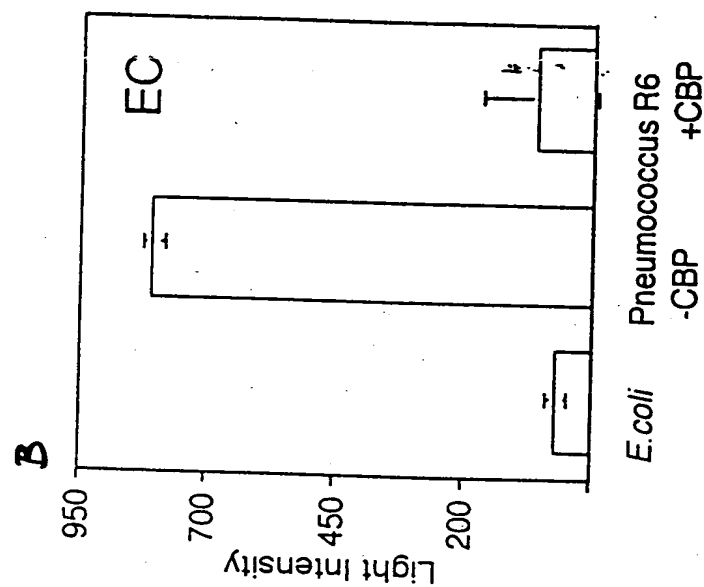
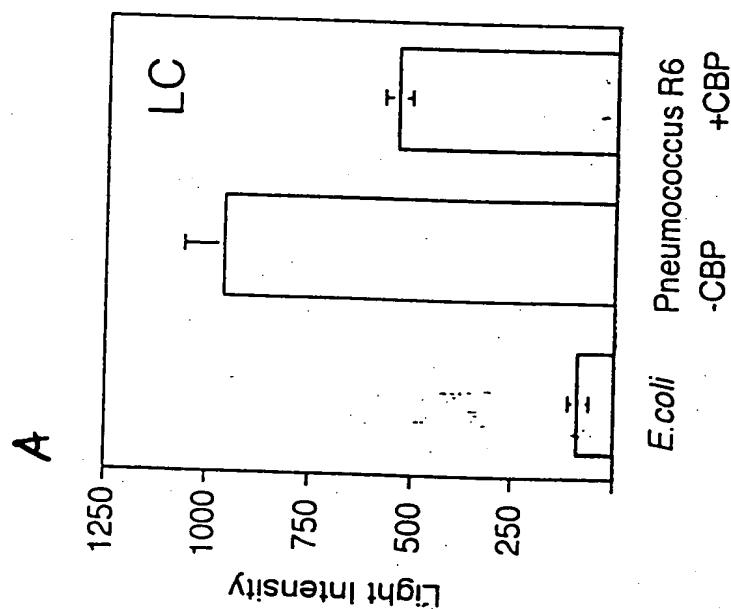


FIG. 17

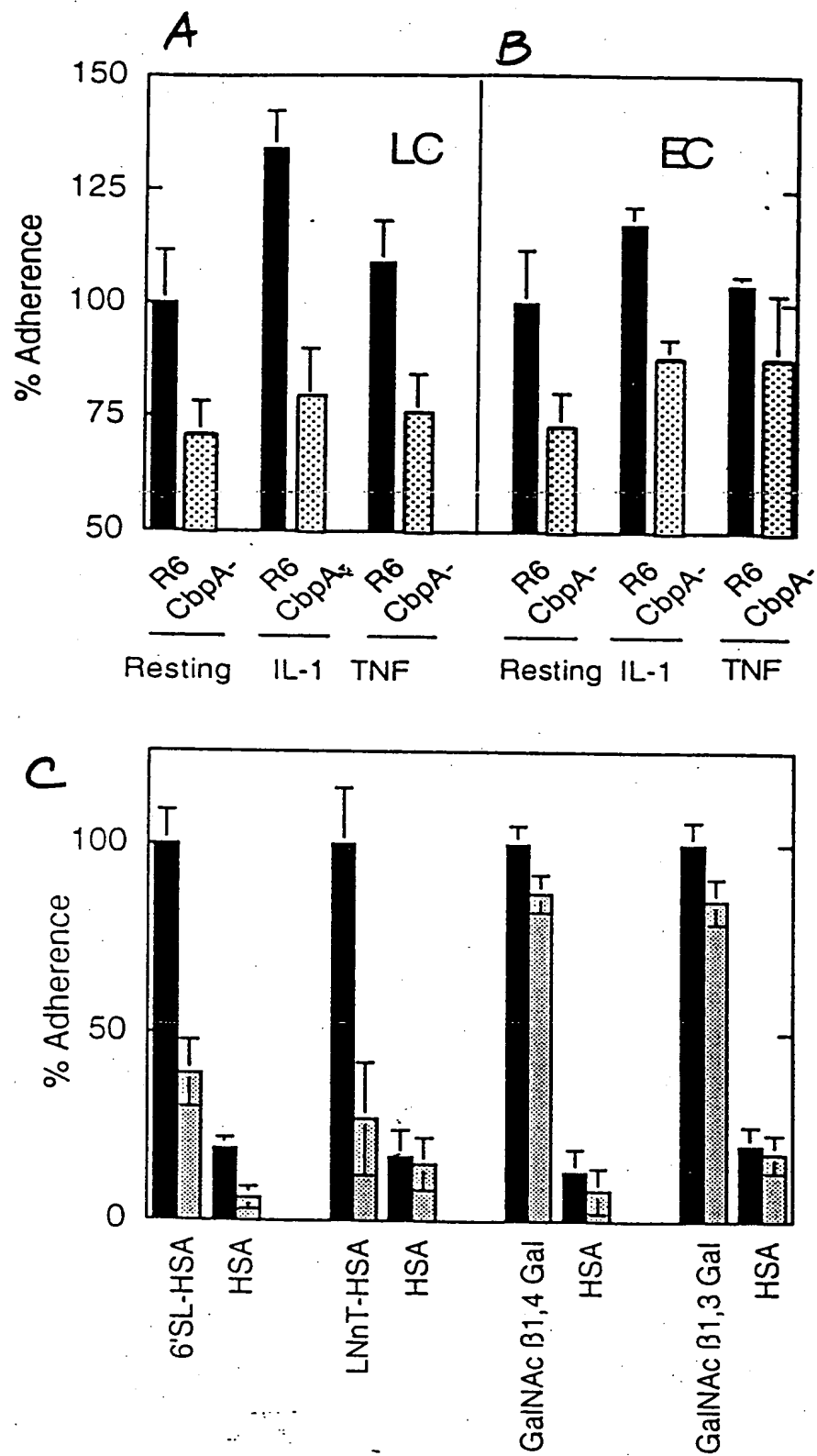


FIG. 18

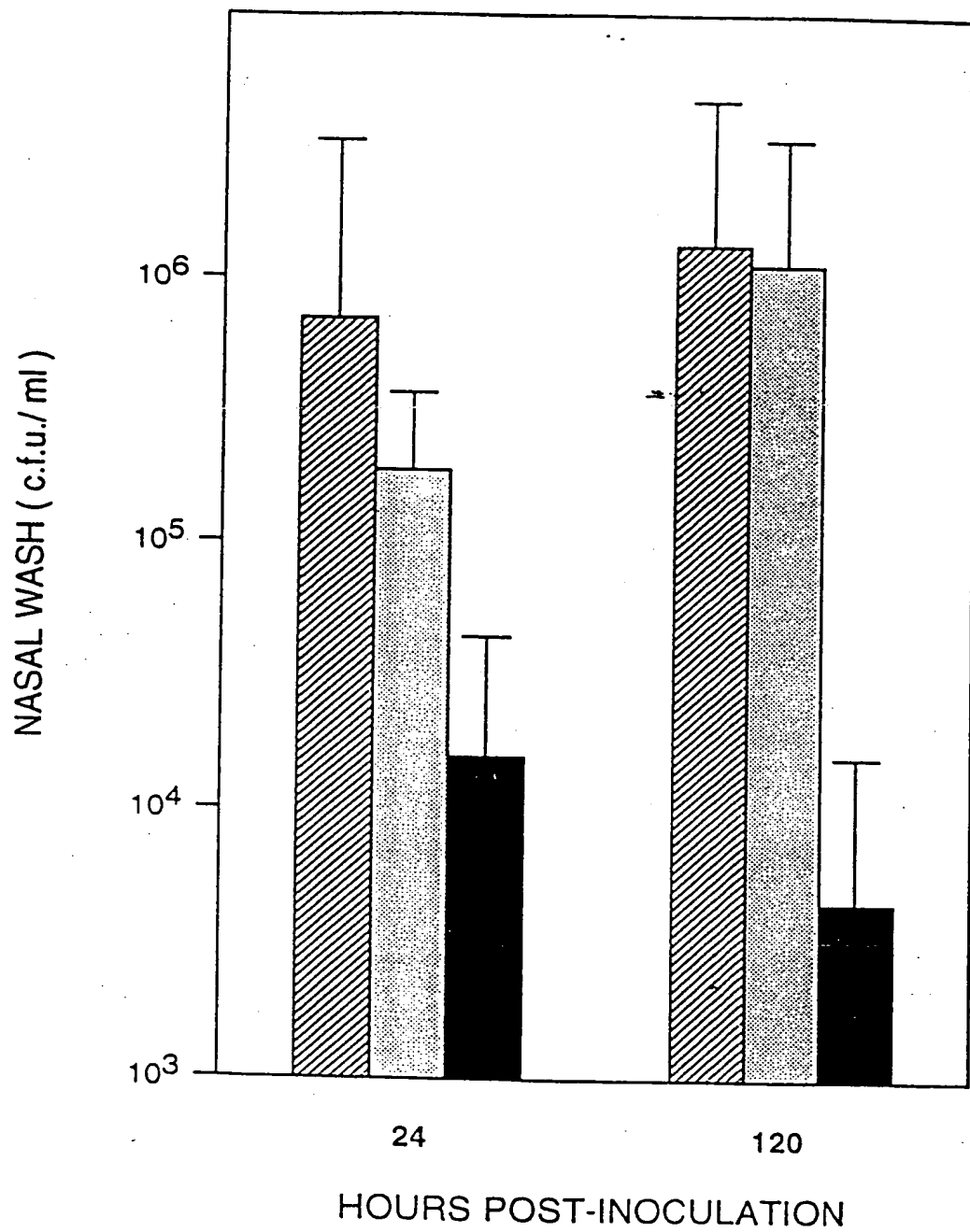


FIG. 19